



BRUHAT BANGALORE MAHANAGARA PALIKE

KODIGEHALLI SUBDIVISION

WARD NO.07, Byatarayanapura

Name of Work:- Improvements to roads and drains of mariyannapalya and surrounding areas in ward no.07 Byataranapura.

Estimated Cost:- 50.00 Lakhs

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S.N	DESCRIPTION OF WORK	Unit	N	L	B	D	QTY	RATE	AMOUNT
1	2	3	4	5	6	7	8	9	10
1	KSRRB 300-1. Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.. Pg No.143.Item No.19.1)								
	Basic Rate:	cum	130.00						
	Area Weightage @ 6%		7.80						
	Total		137.80						
	Gaare chinnappa layout								
	3rd Cross		1	40.00	0.75	0.60	18.00		
	2nd cross		1	50.00	0.75	0.60	22.50		
	1st cross		1	40.00	0.75	0.60	18.00		
	5th cross		2	105.00	0.85	0.75	133.88		
	7th cross		2	210.00	0.75	0.75	236.25		
	Over burden earth		1	11.00	1.50	0.90	14.85		
					TOTAL		443.48	137.80	61111.00
2	KSRB 4-1.3: Providing and laying in position plain cement concrete of nominal mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15 cms. Thick well compacted in foundation and plinth, including cost of all materials labour, HOM of machinery, curing complete as per specification . (Pg.No.13, It.4.3)								
	Basic Rate:	cum	5102.00						
	Area Weightage @ 6%		306.12						
	Total		5408.12						
	RCC DRAIN-BOTTOM								
	Gaare chinnappa layout								
	3rd Cross		1.00	40.00	0.75	0.15	4.50		
	2nd cross		1.00	50.00	0.75	0.15	5.63		
	1st cross		1.00	40.00	0.75	0.15	4.50		
	5th cross		2.00	105.00	0.85	0.15	26.78		
	7th cross		2.00	210.00	0.75	0.15	47.25		
					TOTAL		88.65	5408.12	479430.00

3	KSRB 4.2.2: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.460 cum with superplastizers @ 3lts confirming to IS 9103-1999 RE affirmed - 2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, stair case lintels, retaining walls return walls, walls(anythickness) including attached plasters columns piers abutments pillars posts struts buttresses string or lacing courses parapets copings, bed blocks , plain windows cills fillets etc., including cost of all materials labour HOM of machinery curing complete as per specifications. Seocifications No. KBS 4.1,4.6 (Page NO. 14, Item NO. 4.11)							
	Basic Rate:	cum	5659.00					
	Area Weightage @		339.54					
	Total		5998.54					
	Bottom							
	Gaare chinnappa layout							
	3rd Cross	1	40.00	0.60	0.15	3.60		
	2nd cross	1	50.00	0.60	0.15	4.50		
	1st cross	1	40.00	0.60	0.15	3.60		
	5th cross	2	105.00	0.75	0.15	23.63		
	7th cross	2	210.00	0.60	0.15	37.80		
	Side Wall							
	Gaare chinnappa layout							
	3rd Cross	1x2	2	40.00	0.15	0.30	3.60	
	2nd cross	1x2	2	50.00	0.15	0.30	4.50	
	1st cross	1x2	2	40.00	0.15	0.30	3.60	
	5th cross	2x2	4	105.00	0.15	0.45	28.35	
	7th cross	2x2	4	210.00	0.15	0.45	56.70	
							169.88	5998.54 1019002.00
4	Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.(Page No.18, Item No.4.46.2)							
	Basic Rate:	Tonne	70966.00					
	Area Weightage @ 6%		4257.96					
	Total		75223.96					
	Reinforcement for side wall						169.88	
			At 55 Kg % per cum			9.34	75223.96	702827.00

5	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular slabs /side walls polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge.(Page No.16, Item NO.4.32)							
	Basic Rate:	Sqm	456.00					
	Area Weightage @ 6%		27.36					
	Total		483.36					
	SIDE WALL							
	Gaare chinnappa layout							
	3rd Cross	1x4	4	40.00		0.30	48.00	
	2nd cross	1x4	4	50.00		0.30	60.00	
	1st cross	1x4	4	40.00		0.30	48.00	
	5th cross	2x4	8	105.00		0.45	378.00	
	7th cross	2x4	8	210.00		0.45	756.00	
							1290.00	483.36
								623535.00
6	Providing and fixing 10cms thick pre cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrete laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing complete as per specifications (Data Rate Approved)							
	DETA RATE	Sqm						
	Covering Slab							
	Gaare chinnappa layout							
	3rd Cross		66		0.60	0.75	29.70	
	2nd cross		83		0.60	0.75	37.35	
	1st cross		66		0.60	0.75	29.70	
	5th cross		340		0.60	0.75	153.00	
	7th cross		690		0.60	0.75	310.50	
							560.25	2337.00
								1309304.25
7	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 136, item No. 17.1)							
	Basic Rate	cum	57.00				443.48	94.34
	Rs. 2.50 Tonne Km.							41838.00
	Average Weight of earth 1.28 Tonne/Km.							
	For 10 Km							
	Rs.2.50X1.28TonneX		32.00					
	Total		89.00					
	Add Area Weightage6%		5.34					
			94.34					

8					Sub Total	4310053.00	4237047.2
9					Add 12% GST charges ✓	517206.36	508445.6
10					KRIDL CHARGES (3+1)% ✓	172402.12	169481.8
11					Miscellaneous charges ✓	338.52	284.24
12					DPR & PMC (1+1)% ✓	84740.95	84740.95
13					Total ✓	5000000.00	5000000.00

- 1) This is certified that the work spot comes under BBMP limits only.
- 2) The work spot is inspected by me
- 3) The items Provided in the Estimate are quite Essential
- 4) The rates are as per CSR of 2018-19 year of PWD Bangalore Circle.

Asst. Engineer
Ward no.7

Asst. Exe. Engineer
Kodigehalli Sub-division
B.B.M.P.
Yelahanka Zone, B.B.M.P..
Bangalore.

Executive Engineer
Byatrayanapura Division
B.B.M.P.

ADMINISTRATIVE APPROVAL

Accorded For Rs. 50.00 Lakh only

Estimate No. P3727, SCSP/TSP

Ref. No. 79 Date 24-10-19

24/10
AE

24/10
EE(BTP)

Accorded For Rs. 50.00 LAKH

FIFTY LAKH ONLY

P3727 SCSP/TSP.

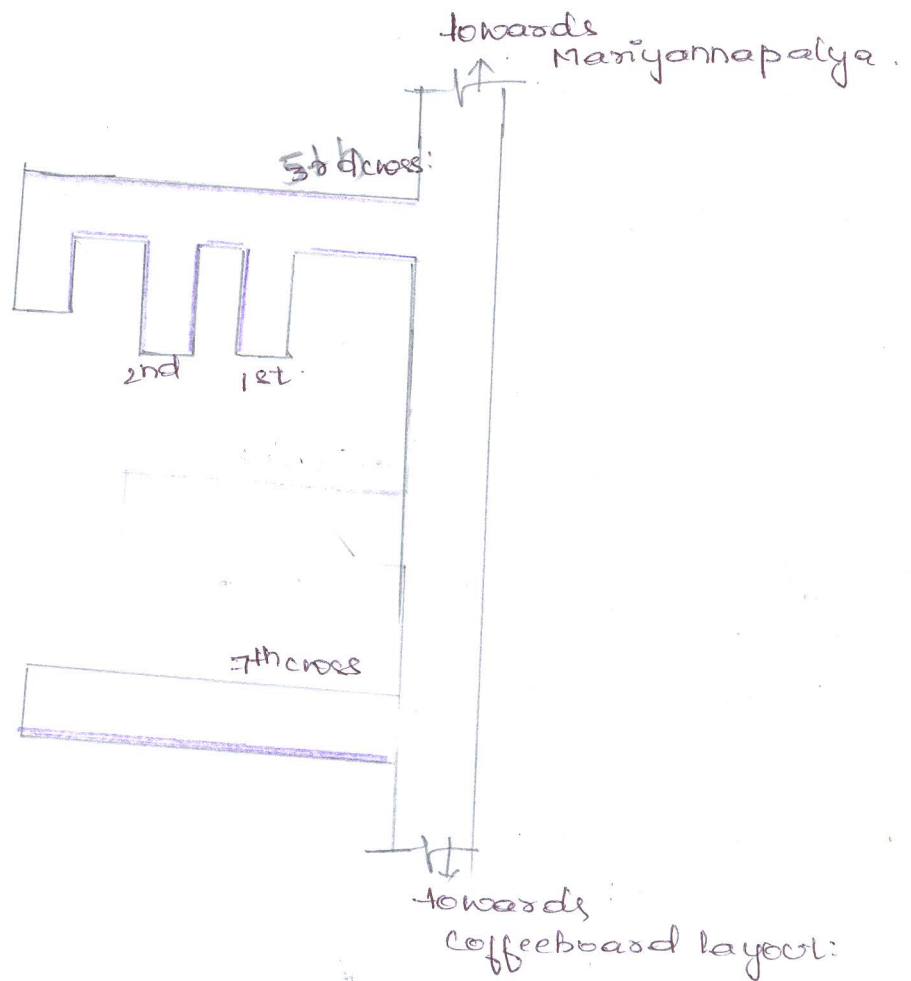
Job Code No 007-20-000004

Registered as SE(Y)/TS/ 02 / 2019-20 subject

to conditions contained in enclosed memo

02 / 2019-20 Dated: 07/11/2019

Improvements to roads and drains of Maniyannapalya and surrounding areas in Ward no. 07, Byalarayanapura.



M. P. U. N. D.
AE (W7)

INDEX

— R.C. drain

Assistant Executive Engineer
Kodige Sub Division,
Yalahanka 2nd P. R.E.M.P.,
Bengaluru.